

Title (en)

WUPA NUCLEIC ACID MOLECULES THAT CONFER RESISTANCE TO COLEOPTERAN AND HEMIPTERAN PESTS

Title (de)

WUPA-NUKLEINSÄUREMOLEKÜLE ZUR VERLEIHUNG VON WIDERSTAND GEGEN COLEOPTERA- UND HEMIPTERA-SCHÄDLINGE

Title (fr)

MOLECULES D'ACIDE NUCLÉIQUE WUPA CONFÉRANT LA RÉSISTANCE AUX COLÉOPTÈRES ET AUX HÉMIPTÈRES NUISIBLES

Publication

EP 3362552 A4 20190424 (EN)

Application

EP 16855969 A 20161004

Priority

- US 201562240227 P 20151012
- US 2016055300 W 20161004

Abstract (en)

[origin: US2017101651A1] This disclosure concerns nucleic acid molecules and methods of use thereof for control of coleopteran and hemipteran pests through RNA interference-mediated inhibition of target coding and transcribed non-coding sequences in coleopteran and hemipteran pests. The disclosure also concerns methods for making transgenic plants that express nucleic acid molecules useful for the control of coleopteran and hemipteran pests, and the plant cells and plants obtained thereby.

IPC 8 full level

C12N 1/21 (2006.01); **A01N 63/60** (2020.01); **A01N 65/00** (2009.01); **A01P 5/00** (2006.01); **C12N 15/113** (2010.01); **C12N 15/82** (2006.01)

CPC (source: EP US)

A01N 37/46 (2013.01 - EP US); **A01N 57/16** (2013.01 - EP US); **A01N 63/60** (2020.01 - EP US); **C12N 15/8218** (2013.01 - EP US); **C12N 15/8286** (2013.01 - EP US); **Y02A 40/146** (2017.12 - EP US)

C-Set (source: EP US)

A01N 63/60 + **A01N 63/14**

Citation (search report)

- [X] WO 2012143542 A1 20121026 - DEVGEN NV [BE], et al
- [X] US 2011154545 A1 20110623 - ANDERSEN SCOTT E [US], et al
- [X] WO 2013010690 A1 20130124 - DEVGEN NV [BE], et al
- [X] US 2014194306 A1 20140710 - ANDERSEN SCOTT E [US], et al
- [Y] PRICE D R G ET AL: "RNAi-mediated crop protection against insects", TRENDS IN BIOTECHNOLOGY, ELSEVIER PUBLICATIONS, CAMBRIDGE, GB, vol. 26, no. 7, 1 July 2008 (2008-07-01), pages 393 - 400, XP022757296, ISSN: 0167-7799, [retrieved on 20080522], DOI: 10.1016/J.TIBTECH.2008.04.004
- [Y] JAMES A BAUM ET AL: "Control of coleopteran insect pests through RNA interference", NATURE BIOTECHNOLOGY, vol. 25, no. 11, 1 November 2007 (2007-11-01), pages 1322 - 1326, XP055477988, ISSN: 1087-0156, DOI: 10.1038/nbt1359
- [XY] ANONYMOUS: "EM_EST:HX277074", 17 May 2013 (2013-05-17), XP055570223, Retrieved from the Internet <URL:http://ibis/exam/dbfetch.jsp?id=EM_EST:HX277074> [retrieved on 20190318]
- [XY] ANONYMOUS: "EM_EST:EW781033", 28 August 2007 (2007-08-28), XP055570257, Retrieved from the Internet <URL:http://ibis/exam/dbfetch.jsp?id=EM_EST:EW781033> [retrieved on 20190318]
- See references of WO 2017066041A2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

US 10344298 B2 20190709; **US 2017101651 A1 20170413**; AR 106320 A1 20180103; AU 2016337355 A1 20180426; AU 2016337355 B2 20190926; BR 102016023726 A2 20170502; CA 3001162 A1 20170420; CN 108431207 A 20180821; EP 3362552 A2 20180822; EP 3362552 A4 20190424; TW 201720838 A 20170616; UY 36941 A 20170531; WO 2017066041 A2 20170420; WO 2017066041 A3 20170526

DOCDB simple family (application)

US 201615284922 A 20161004; AR P160103106 A 20161011; AU 2016337355 A 20161004; BR 102016023726 A 20161011; CA 3001162 A 20161004; CN 201680059496 A 20161004; EP 16855969 A 20161004; TW 105132757 A 20161011; US 2016055300 W 20161004; UY 36941 A 20161011